



## Evaluation Report for Category B, Subcategory 3.5 Application

**Application Number:** 2010-0818  
**Application:** Addition of a new rotational crop  
**Product:** Adrenalin SC Herbicide  
**Registration Number:** 27879  
**Active ingredients (a.i.):** Imazamox (IMZ)  
2,4-D (Present as low volatile esters; DXF)  
**PMRA Document Number :** 2262164

### Purpose of Application

The purpose of the current submission is to add winter wheat as a rotational crop with a plant back interval of 3 months to the product label of Adrenalin SC Herbicide (Registration Number #27879).

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessment

Residue data was not submitted to support the addition of winter wheat as a rotational crop with a plant back interval of 3 months to the registered label of AC 299, 263 120 AS Herbicide Solution, Solo WDG Herbicide or Adrenalin Sc Herbicide. Previously reviewed residue data was reassessed in the framework of this petition. Residues of imazamox in rotated wheat are not expected to exceed the established MRL of 0.05 ppm in this commodity. Residues of 2,4-D in rotated wheat are not expected to exceed those seen in wheat treated directly with 2,4-D, as per the registered use pattern. Consequently, the addition of winter wheat as a rotational crop on the above listed labels is not expected to increase the dietary residues exposure to imazamox or 2,4-D.

### Environmental Assessment

An environmental assessment was not required for this application.

### Value Assessment

In field trials, the tolerance of winter wheat planted 68 to 84 days after treatment with Solo WDG was visually assessed as percent injury relative to an untreated check. There were little to no visible signs of crop injury to winter wheat planted after application of Solo WDG in accordance with the label. Furthermore, yield was not negatively impacted, indicating that

winter wheat can be expected to exhibit an adequate margin of crop safety to Solo WDG when planted 3 months after application in accordance with the label. An adequate margin of safety would also be expected for winter wheat planted 3 months after Adrenalin SC application based on, 1) the demonstration of agronomic equivalence (in terms of efficacy and crop tolerance) between Adrenalin SC and AC 299, 263 120 AS + 2,4-D Ester in previous submissions, 2) the demonstration of agronomic equivalence (in terms of weed control) between AC 299, 263 120 AS and Solo WDG in previous submissions, 3) all three herbicides being labelled for application up to 20 g imazamox/ha, 4) all three herbicides having nearly identical recropping lists and 5) AC 299, 263 70 WDG (another imazamox herbicide that is applied at a similar rate) having winter wheat labelled as a crop that can be planted 100+ days after application.

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of information available in support of Adrenalin SC Herbicide and has found the information sufficient to support the addition of a new rotational crop.

## **References**

<i>PMRA#</i>	<i>Title</i>
1867724	2010. Imazamox (Solo 70 WDG, AC 299, 263 120 AS, Adrenalin SC) petition for winter wheat (3 MAT) as a rotational crop. Part 10, Value Summary. 10 pp.
1867726	2010. Imazamox (Solo 70 WDG, AC 299, 263 120 AS, Adrenalin SC) petition for winter wheat (3 MAT) as a rotational crop. Trial reports. 96 pp.

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